ELSEVIER

1 January 1997

Optics Communications 133 (1997) 605–614

OPTICS COMMUNICATIONS

Author index to volume 133

Abraham, N.B., see Taggiasco, C. 133 (1997) 507
Acef, O., see Touahri, D. 133 (1997) 471
Acosta, E., see Ríos, S. 133 (1997) 443
Agnesi, A., S. Dell'Acqua and G.C. Reali, 1.5 Watt passively Q-switched diode-pumped cw Nd:YAG laser 133 (1997) 211
Agrawal, G.P., see van Tartwijk, G.H.M. 133 (1997) 565
Allen, L., see Lai, W.K. 133 (1997) 487
Amorim, H.T., G.C. Cardoso, M.T. de Araujo, M.V.D. Vermelho, E.A. Gouveia and A.S. Gouveia-Neto, Harmonic generation and frequency upconversion in Pr^{3+}-doped germanosilicate optical fibers pumped at 1.319 μm 133 (1997) 104
Andonovic, I., see Wallace, C.G. 133 (1997) 39
Ankiewicz, A., W.L.R. Perera, P.L. Chu and D.A.C.C. Jayasinghe, Use of graded elliptical cladding for efficient pumping of doped fiber cores 133 (1997) 82
Atieh, A.K., P. Myslinski, J. Chrostowski and P. Galko, Generation of multigigahertz bright and dark soliton pulse trains 133 (1997) 541

Babiker, M., see Lai, W.K. 133 (1997) 487
Baigar, E., see Hauger, C. 133 (1997) 72
Bajer, J., see Horák, R. 133 (1997) 315
Baldauf, H.W., see Höffges, J.T. 133 (1997) 170
Bará, S., see Ríos, S. 133 (1997) 443
Baumeister, P., Modification of the Grèzes-Besset method of optical monitor calibration 133 (1997) 135
Bayon, J.F., see Taunay, T. 133 (1997) 454
Bernage, P., see Taunay, T. 133 (1997) 454
Berns, M.W., see Chiou, A.E. 133 (1997) 7
Bertolotti, M., R.L. Voti, S. Marchetti and C. Sibilia, Interaction of soliton-like beam in a diffusive nonlinear planar waveguide 133 (1997) 578
Bhawalkar, D.D., see He, G.S. 133 (1997) 175
Bhawalkar, J.D., see He, G.S. 133 (1997) 175
Bindra, K.S., see Mehendale, S.C. 133 (1997) 273
Biraben, F., see Bourzeix, S. 133 (1997) 239
Biraben, F., see Touahri, D. 133 (1997) 471
Bisero, D., see Verschuur, J.W.J. 133 (1997) 229
Blondy, J.M., see Pagnoux, D. 133 (1997) 99
Boehly, T.R., D.L. Brown, R.S. Craxton, R.L. Keck, J.P. Knauer, J.H. Kelly, T.J. Kessler, S.A. Kumpan, S.J. Loucks, S.A. Letzring, F.J. Marshall, R.L. McCrory, S.F.B. Morse, W. Seka, J.M. Soures and C.P. Verdon, Initial performance results of the OMEGA laser system 133 (1997) 495

Bollig, C., W.A. Clarkson, D.C. Hanna, D.S. Lovering and G.C.W. Jones, Single-frequency operation of a monolithic Nd:glass ring laser via the acousto-optic effect 133 (1997) 221
Bouchal, Z., see Horák, R. 133 (1997) 315
Bourzeix, S., B. de Beauvoir, F. Nez, F. de Tomasi, L. Julien and F. Biraben, Ultra-violet light generation at 205 nm by two frequency doubling steps of a cw titanium-sapphire laser 133 (1997) 239
Boyer, G.R. and G. Kononovitch, Gain optimization of a Kerr-lens mode-locked Cr:forsterite laser in the CW regime: theory and experiments 133 (1997) 205
Brown, D.L., see Boehly, T.R. 133 (1997) 495
Bulygin, A.R., see Orlov, V.V. 133 (1997) 415

Campillo, A.J., see Lin, H.-B. 133 (1997) 287
Campos, J., see Caulfield, H.J. 133 (1997) 77
Caprari, R.S., Geometric and radiometric image warping due to optical system displacement 133 (1997) 365
Cardoso, G.C., see Amorim, H.T. 133 (1997) 104
Carillon, A., see MacPhee, A.G. 133 (1997) 525
Caulfield, H.J., I. Moreno, J. Campos and M.J. Yzuel, Coherent recognition of colored patterns 133 (1997) 77
Chang, M., see Huang, Y.-C. 133 (1997) 11
Chen, Y.F., C.F. Kao and S.C. Wang, Analytical model for the design of fiber-coupled laser-diode end-pumped lasers 133 (1997) 517
Chiou, A.E., W. Wang, G.J. Sonek, J. Hong and M.W. Berns, Interferometric optical tweezers 133 (1997) 7
Chizhevsky, V.N., E.V. Grigorieva and S.A. Kashchenko, Optimal timing for targeting periodic orbits in a loss-driven CO_2 laser 133 (1997) 189
Chizhevsky, V.N., see Corbalán, R. 133 (1997) 225
Cho, G.C., see Lü, Z.G. 133 (1997) 263
Chou, C., see Huang, Y.-C. 133 (1997) 11
Chrostowski, J., see Atieh, A.K. 133 (1997) 541
Chu, P.L., see Ankiewicz, A. 133 (1997) 82
Ciofini, M., see Taggiasco, C. 133 (1997) 507
Clairon, A., see Touahri, D. 133 (1997) 471
Clapeau, M., see Pagnoux, D. 133 (1997) 99
Clarkson, W.A., see Bollig, C. 133 (1997) 221
Clarkson, W.A., see Martin, K.I. 133 (1997) 180
Corbalán, R., A.N. Pisarchik, V.N. Chizhevsky and R. Vilaseca, Experimental study of bi-directional pumping of a far-infrared laser 133 (1997) 225
Craxton, R.S., see Boehly, T.R. 133 (1997) 495
Cui, Y., see He, G.S. 133 (1997) 175

Daisy, R. and B. Fischer, Synchronization of chaotic nonlinear optical ring oscillators 133 (1997) 282
D'Amato, F., see Marchetti, S. 133 (1997) 310
Damzen, M.J., see Udaiyan, D. 133 (1997) 596
Danielius, R., A. Dubietis and A. Piskarskas, Transformation of pulse characteristics via cascaded second-order effects in an optical parametric amplifier 133 (1997) 277
D'Ariano, G.M., S. Mancini and P. Tombesi, High efficiency optical tomography using a squeezed vacuum 133 (1997) 165
De Araujo, M.T., see Amorim, H.T. 133 (1997) 104

De Beauvoir, B., see Bourzeix, S. 133 (1997) 239
De Beauvoir, B., see Touahri, D. 133 (1997) 471
Delettrez, J.A., see Yaakobi, B. 133 (1997) 43
Dell'Acqua, S., see Agnesi, A. 133 (1997) 211
Demir, A., see MacPhee, A.G. 133 (1997) 525
Denz, C., see Honda, T. 133 (1997) 293
Desmons, M., see Fracasso, B. 133 (1997) 355
De Tomasi, F., see Bourzeix, S. 133 (1997) 239
Dhami, T.S., see Mehendale, S.C. 133 (1997) 273
Dorsch, R.G., see García, J. 133 (1997) 393
Doualan, J.L., see Konate, A. 133 (1997) 234
Douay, M., see Taunay, T. 133 (1997) 454
Dragoman, D. and M. Dragoman, The modeling of the quantum tunneling time through heterostructures using optical layered media 133 (1997) 129
Dragoman, M., see Dragoman, D. 133 (1997) 129
Du, S., S. Gong and Z. Xu, Generating fractional revivals from a simple optical system 133 (1997) 147
Dubietis, A., see Danielius, R. 133 (1997) 277

Eichler, T., see Höffges, J.T. 133 (1997) 170
El-Ghandoor, H., Tomographic investigation of the refractive index profiling using speckle photography technique 133 (1997) 33
Ernst, G.J., see Verschuur, J.W.J. 133 (1997) 229
Ezbiri, A. and R.P. Tatam, Five wavelength interrogation technique for miniature fibre optic Fabry–Pérot sensors 133 (1997) 62

Facq, P., see Pagnoux, D. 133 (1997) 99
Fedotov, A.B., N.I. Koroteev, M.M.T. Loy, X. Xiao and A.M. Zheltikov, Saturation of third-harmonic generation in a plasma of self-induced optical breakdown due to the self-action of 80-fs light pulses 133 (1997) 587
Felder, R., see Touahri, D. 133 (1997) 471
Ferreira, C., see García, J. 133 (1997) 393
Ferreira, C., see Maestre, R.A. 133 (1997) 401
Fill, E.E., see Li, Y. 133 (1997) 196
Fischer, B., see Daisy, R. 133 (1997) 282
Fischer, D.G. and E. Wolf, Theory of diffraction tomography for quasi-homogeneous random objects 133 (1997) 17
Forster, R.J., A. Gloag and N. Langford, Impedance matching of all-fibre resonators 133 (1997) 93
Fracasso, B., N. Nochez, M. Desmons and F. Ghorbel, An iterative approach to geometric transformations with diffractive optics 133 (1997) 355
Furukawa, K., see Oki, Y. 133 (1997) 123

Galko, P., see Atieh, A.K. 133 (1997) 541
Gan, X., see Sheppard, C.J.R. 133 (1997) 1
García, J., R.G. Dorsch, A.W. Lohmann, C. Ferreira and Z. Zalevsky, Flexible optical implementation of fractional Fourier transform processors. Applications to correlation and filtering 133 (1997) 393
García, J., see Maestre, R.A. 133 (1997) 401
Gase, T. and W. Karthe, Quasi-phase matched cascaded second order processes in poled organic polymer waveguides 133 (1997) 549

George, N., Lensless electronic imaging 133 (1997) 22
Ghorbel, F., see Fracasso, B. 133 (1997) 355
Giorgi, M., see Marchetti, S. 133 (1997) 310
Girard, S., see Konate, A. 133 (1997) 234
Giust, R., see Mazurenko, Yu.T. 133 (1997) 87
Gloag, A., see Forster, R.J. 133 (1997) 93
Goedgebuer, J.P., see Mazurenko, Yu.T. 133 (1997) 87
Goedkindt, P., see MacPhee, A.G. 133 (1997) 525
Gong, S., see Du, S. 133 (1997) 147
Gouveia, E.A., see Amorim, H.T. 133 (1997) 104
Gouveia-Neto, A.S., see Amorim, H.T. 133 (1997) 104
Grattan, K.T.V., see Ning, Y.N. 133 (1997) 347
Grattan, K.T.V., see Wang, Q. 133 (1997) 67
Green, R.P.M., see Udaiyan, D. 133 (1997) 596
Grigorieva, E.V., see Chizhevsky, V.N. 133 (1997) 189
Guo, G., see Zheng, S. 133 (1997) 139
Guo, G.-C. and S.-B. Zheng, Preparation of entangled coherent states of the electromagnetic field based on detecting the state of the atom in the Jaynes-Cummings model 133 (1997) 142
Gureyev, T.E. and K.A. Nugent, Rapid quantitative phase imaging using the transport of intensity Equation 133 (1997) 339

Hanna, D.C., see Bollig, C. 133 (1997) 221
Hanna, D.C., see Martin, K.I. 133 (1997) 180
Hauger, C., E. Baigar and W. Zinth, Induced backscattering due to reflecting surfaces in highly scattering media 133 (1997) 72
He, G.S., Y. Cui, J.D. Bhawalkar, P.N. Prasad and D.D. Bhawalkar, Intracavity upconversion lasing within a Q-switched Nd:YAG laser 133 (1997) 175
Helmfrid, S.R., see Höffges, J.T. 133 (1997) 170
Hilico, L., see Touahri, D. 133 (1997) 471
Höffges, J.T., H.W. Baldauf, T. Eichler, S.R. Helmfrid and H. Walther, Heterodyne measurement of the fluorescent radiation of a single trapped ion 133 (1997) 170
Holden, M., see MacPhee, A.G. 133 (1997) 525
Honda, T., H. Matsumoto, M. Sedlatschek, C. Denz and T. Tschudi, Spontaneous formation of hexagons, squares and squeezed hexagons in a photorefractive phase conjugator with virtually internal feedback mirror 133 (1997) 293
Hong, J., see Chiou, A.E. 133 (1997) 7
Horák, R., Z. Bouchal and J. Bajer, Nondiffracting stationary electromagnetic field 133 (1997) 315
Huang, Y.-C., C. Chou and M. Chang, Direct measurement of refractive indices (n_e, n_o) of a linear birefringent retardation plate 133 (1997) 11
Hyde, C.A., see Roggemann, M.C. 133 (1997) 381

Jaeglé, P., see MacPhee, A.G. 133 (1997) 525
Jamelot, G., see MacPhee, A.G. 133 (1997) 525
Jansen van Doorn, A.K., M.P. van Exter, M. Travagnin and J.P. Woerdman, Polarization behavior of surface-emitting semiconductor lasers in an axial magnetic field 133 (1997) 252
Jayasinghe, D.A.C.C., see Ankiewicz, A. 133 (1997) 82
Jones, G.C.W., see Bollig, C. 133 (1997) 221
Julien, L., see Bourzeix, S. 133 (1997) 239

Kalashnikov, M.P., P.V. Nickles, M. Schnuerer, I. Will and W. Sandner, Multi-terawatt hybrid Ti:Sa–Nd:glass dual-beam laser: a novel XUV laser driver 133 (1997) 216
Kamijoh, T., see Shinozaki, K. 133 (1997) 300
Kao, C.F., see Chen, Y.F. 133 (1997) 517
Karthe, W., see Gase, T. 133 (1997) 549
Kashchenko, S.A., see Chizhevsky, V.N. 133 (1997) 189
Keck, R.L., see Boehly, T.R. 133 (1997) 495
Kelly, J.H., see Boehly, T.R. 133 (1997) 495
Kessler, T.J., see Boehly, T.R. 133 (1997) 495
Kim, D.H., see Udaiyan, D. 133 (1997) 596
Klisnick, A., see MacPhee, A.G. 133 (1997) 525
Knauer, J.P., see Boehly, T.R. 133 (1997) 495
Kohinata, N., see Yoshimura, T. 133 (1997) 434
Konate, A., J.L. Doualan, S. Girard and J. Margerie, Tunable cw laser emission of the (a) variety of $(F_2^+)_H$ centres in NaCl:OH^- 133 (1997) 234
Kononovitch, G., see Boyer, G.R. 133 (1997) 205
Korneev, N.A., J.J. Sanchez Mondragon and S.I. Stepanov, Running space charge wave instability in photorefractive crystals 133 (1997) 109
Koroteev, N.I., see Fedotov, A.B. 133 (1997) 587
Krishnan, J., see MacPhee, A.G. 133 (1997) 525
Kumpan, S.A., see Boehly, T.R. 133 (1997) 495
Kurz, H., see Lü, Z.G. 133 (1997) 263

Laghate, M., see Mehendale, S.C. 133 (1997) 273
Lai, W.K., M. Babiker and L. Allen, Radiation forces on a two-level atom in a σ_+–σ_- configuration of Laguerre–Gaussian beams. 133 (1997) 487
Langford, N., see Forster, R.J. 133 (1997) 93
Lederer, F., see Peschel, U. 133 (1997) 557
Letzring, S.A., see Boehly, T.R. 133 (1997) 495
Lewis, C.L.S., see MacPhee, A.G. 133 (1997) 525
Li, Y., P. Lu, G. Pretzler and E.E. Fill, Lasing in neonlike sulphur and silicon 133 (1997) 196
Lin, H.-B. and A.J. Campillo, Microcavity enhanced Raman gain 133 (1997) 287
Liu, S., J. Zhang and Y. Zhang, Properties of the fractionalization of a Fourier transform 133 (1997) 50
Liu, Y., see Ning, Y.N. 133 (1997) 347
Lohmann, A.W., see García, J. 133 (1997) 393
Loucks, S.J., see Boehly, T.R. 133 (1997) 495
Lovering, D.S., see Bollig, C. 133 (1997) 221
Loy, M.M.T., see Fedotov, A.B. 133 (1997) 587
Lu, P., see Li, Y. 133 (1997) 196
Lü, Z.G., G.C. Cho, G. Lüpke and H. Kurz, Visible fs-pulses generated by dispersive frequency doubling in Lithium Triborate 133 (1997) 263
Luis, A. and L.L. Sánchez-Soto, Quantum atom–field relative phase in the Jaynes–Cummings model 133 (1997) 159
Lüpke, G., see Lü, Z.G. 133 (1997) 263

MacPhee, A.G., C.L.S. Lewis, P.J. Warwick, I. Weaver, P. Jaeglé, A. Carillon, G. Jamelot, A. Klisnick, B. Rus, Ph. Zeitoun, M. Nantel, P. Goedkindt, S. Sebban, G.J. Tallents, A. Demir, M. Holden and J. Krishnan, The influence of prepulse level on the 3p–3s XUV laser output from Ne-like ions of Zn, Cu and Ni 133 (1997) 525

Maeda, M., see Oki, Y. 133 (1997) 123
Maestre, R.A., J. García and C. Ferreira, Pattern recognition using sequential matched filtering of wavelet coefficients 133 (1997) 401
Mancini, S., see D'Ariano, G.M. 133 (1997) 165
Mandel, L., see Torgerson, J.R. 133 (1997) 153
Marchetti, S., M. Martinelli, R. Simili, F. D'Amato and M. Giorgi, High power pulsed millimeter laser Raman generation in CH_3F 133 (1997) 310
Marchetti, S., see Bertolotti, M. 133 (1997) 578
Margerie, J., see Konate, A. 133 (1997) 234
Marshall, F.J., see Boehly, T.R. 133 (1997) 495
Marshall, F.J., see Yaakobi, B. 133 (1997) 43
Martin, K.I., W.A. Clarkson and D.C. Hanna, Increased single-frequency power from end-pumped ring lasers by pump beam displacement 133 (1997) 180
Martinelli, G., see Taunay, T. 133 (1997) 454
Martinelli, M., see Marchetti, S. 133 (1997) 310
Matera, F. and M. Settembre, Study of performance of 1.3 μm transmission systems on standard step-index fibers with semiconductor optical amplifiers 133 (1997) 463
Matsumoto, H., see Honda, T. 133 (1997) 293
Mazurenko, Yu.T., R. Giust and J.P. Goedgebuer, Spectral coding for secure optical communications using refractive index dispersion 133 (1997) 87
McCrory, R.L., see Boehly, T.R. 133 (1997) 495
Mehendale, S.C., S.R. Mishra, K.S. Bindra, M. Laghate, T.S. Dhami and K.C. Rustagi, Nonlinear refraction in aqueous colloidal gold 133 (1997) 273
Meucci, R., see Taggiasco, C. 133 (1997) 507
Mishra, S.R., see Mehendale, S.C. 133 (1997) 273
Miyazaki, K., see Uemura, S. 133 (1997) 201
Mizutani, G., see Takebayashi, M. 133 (1997) 116
Mlynek, J., see Ruoso, G. 133 (1997) 259
Moreno, I., see Caulfield, H.J. 133 (1997) 77
Morse, S.F.B., see Boehly, T.R. 133 (1997) 495
Myslinski, P., see Atieh, A.K. 133 (1997) 541

Nagasaka, K., see Suda, A. 133 (1997) 185
Nagasaka, K., see Suda, A. 133 (1997) 245
Nantel, M., see MacPhee, A.G. 133 (1997) 525
Neogi, A., Transient interband light modulation via intersubband coupling light in undoped semiconductor quantum wells 133 (1997) 479
Nez, F., see Bourzeix, S. 133 (1997) 239
Nez, F., see Touahri, D. 133 (1997) 471
Niay, P., see Taunay, T. 133 (1997) 454
Nickles, P.V., see Kalashnikov, M.P. 133 (1997) 216
Ning, Y.N., Y. Liu, K.T.V. Grattan, B.M.A. Rahman and A.W. Palmer, The limitations for suppressing modal noise induced in a graded-index multimode fibre in a white light interferometer 133 (1997) 347
Ning, Y.N., see Wang, Q. 133 (1997) 67
Nochez, N., see Fracasso, B. 133 (1997) 355
Nugent, K.A., see Gureyev, T.E. 133 (1997) 339

Ohtsu, M., see Zvyagin, A. 133 (1997) 328
Oki, Y., K. Furukawa and M. Maeda, Extremely sensitive Na detection in pure water by laser ablation atomic fluorescence spectroscopy 133 (1997) 123
Orlov, V.V. and A.R. Bulygin, Volume holograms of co-orthogonal waves for optical channel switching and expansion of light waves in Walsh basis functions 133 (1997) 415

Pagnoux, D., J.M. Blondy, J. Rioublanc, P. Roy, M. Clapeau and P. Facq, Precise and repeatable determination of the mode field radius by means of a simple measurement device 133 (1997) 99
Palmer, A.W., see Ning, Y.N. 133 (1997) 347
Palmer, A.W., see Wang, Q. 133 (1997) 67
Patrignani, D., see Pomarico, J.A. 133 (1997) 27
Perera, W.L.R., see Ankiewicz, A. 133 (1997) 82
Perrone, M.R. and V. Piccinno, On the benefits of astigmatic focusing configurations in stimulated Raman scattering processes 133 (1997) 534
Peschel, T., see Peschel, U. 133 (1997) 557
Peschel, U., T. Peschel and F. Lederer, Binary processing by spatially solitary wave steering in 2-D planar resonator structures 133 (1997) 557
Piccinno, V., see Perrone, M.R. 133 (1997) 534
Pisarchik, A.N., see Corbalán, R. 133 (1997) 225
Piskarskas, A., see Danielius, R. 133 (1997) 277
Poignant, H., see Taunay, T. 133 (1997) 454
Pomarico, J.A., N.A. Russo, E.E. Sicre and D. Patrignani, Optical velocimetry based on the spatial correlation of off-axis image speckle patterns 133 (1997) 27
Prasad, P.N., see He, G.S. 133 (1997) 175
Pretzler, G., see Li, Y. 133 (1997) 196

Rahman, B.M.A., see Ning, Y.N. 133 (1997) 347
Reali, G.C., see Agnesi, A. 133 (1997) 211
Rickermann, F., see von Bally, G. 133 (1997) 305
Riehemann, S., see von Bally, G. 133 (1997) 305
Ríos, S., E. Acosta and S. Bará, Hartmann sensing with Albrecht grids 133 (1997) 443
Rioublanc, J., see Pagnoux, D. 133 (1997) 99
Roggemann, M.C., C.A. Hyde and B.M. Welsh, Comparison of Fourier phase spectrum estimation using deconvolution from wavefront sensing and bispectrum reconstruction 133 (1997) 381
Roy, P., see Pagnoux, D. 133 (1997) 99
Ruoso, G., R. Sotrz, S. Seel, S. Schiller and J. Mlynek, Nd:YAG laser frequency stabilization to a supercavity at the 0.1 Hz level 133 (1997) 259
Rus, B., see MacPhee, A.G. 133 (1997) 525
Russo, N.A., see Pomarico, J.A. 133 (1997) 27
Rustagi, K.C., see Mehendale, S.C. 133 (1997) 273

Sánchez-Soto, L.L., see Luis, A. 133 (1997) 159
Sanchez Mondragon, J.J., see Korneev, N.A. 133 (1997) 109
Sandner, W., see Kalashnikov, M.P. 133 (1997) 216
Sasaki, H., see Shinozaki, K. 133 (1997) 300
Sato, K., see Suda, A. 133 (1997) 185
Schiller, S., see Ruoso, G. 133 (1997) 259

Schnuerer, M., see Kalashnikov, M.P. 133 (1997) 216
Sebban, S., see MacPhee, A.G. 133 (1997) 525
Sedlatschek, M., see Honda, T. 133 (1997) 293
Seel, S., see Ruoso, G. 133 (1997) 259
Seka, W., see Boehly, T.R. 133 (1997) 495
Settembre, M., see Matera, F. 133 (1997) 463
Sheppard, C.J.R. and X. Gan, Free-space propagation of femto-second light pulses 133 (1997) 1
Shinozaki, K., C. Xu, H. Sasaki and T. Kamijoh, A comparison of optical second-harmonic generation efficiency using Bessel and Gaussian beams in bulk crystals 133 (1997) 300
Shinozaki, T., see Suda, A. 133 (1997) 245
Sibilia, C., see Bertolotti, M. 133 (1997) 578
Sicre, E.E., see Pomarico, J.A. 133 (1997) 27
Simili, R., see Marchetti, S. 133 (1997) 310
Smolyaninov, A.M., An array generator based on the fractional Talbot effect for Gaussian beams 133 (1997) 55
Sonek, G.J., see Chiou, A.E. 133 (1997) 7
Sotrz, R., see Ruoso, G. 133 (1997) 259
Soures, J.M., see Boehly, T.R. 133 (1997) 495
Stepanov, S.I., see Korneev, N.A. 133 (1997) 109
Suda, A., T. Shinozaki, K. Nagasaka and H. Tashiro, Prompt and precise frequency tuning of a transversely excited CO_2 laser by means of intracavity active frequency shift 133 (1997) 245
Suda, A., T. Takasaki, K. Sato, K. Nagasaka and H. Tashiro, High-power generation of 16-μm second-Stokes pulses in an ortho-deuterium Raman laser 133 (1997) 185
Syed, K.S., see Udaiyan, D. 133 (1997) 596

Taggiasco, C., R. Meucci, M. Ciofini and N.B. Abraham, Polarization states and dynamics of the lowest order transverse modes in a Fabry–Pérot CO_2 laser 133 (1997) 507
Takasaki, T., see Suda, A. 133 (1997) 185
Takebayashi, M., G. Mizutani and S. Ushioda, Azimuthal angle dependence of optical second harmonic intensity from a vicinal GaAs(001) wafer 133 (1997) 116
Tallents, G.J., see MacPhee, A.G. 133 (1997) 525
Tashiro, H., see Suda, A. 133 (1997) 185
Tashiro, H., see Suda, A. 133 (1997) 245
Tatam, R.P., see Ezbiri, A. 133 (1997) 62
Taunay, T., P. Bernage, G. Martinelli, M. Douay, P. Niay, J.F. Bayon and H. Poignant, Photosensitization of terbium doped alumino-silicate fibres through high pressure H_2 loading 133 (1997) 454
Tombesi, P., see D'Ariano, G.M. 133 (1997) 165
Torgerson, J.R. and L. Mandel, Sharpening the measured quantum phase distribution by discarding data 133 (1997) 153
Touahri, D., O. Acef, A. Clairon, J.-J. Zondy, R. Felder, L. Hilico, B. de Beauvoir, F. Biraben and F. Nez, Frequency measurement of the $5S_{1/2}(F = 3)$–$5D_{5/2}(F = 5)$ two-photon transition in rubidium 133 (1997) 471
Travagnin, M., see Jansen van Doorn, A.K. 133 (1997) 252
Tschudi, T., see Honda, T. 133 (1997) 293

Udaiyan, D., K.S. Syed, R.P.M. Green, D.H. Kim and M.J. Damzen, Transient modelling of double-pumped phase conjugation in inverted Nd:YAG 133 (1997) 596

Uemura, S. and K. Miyazaki, Operation of a femtosecond Cr:LiSAF solitary laser near zero group-delay dispersion 133 (1997) 201
Ushioda, S., see Takebayashi, M. 133 (1997) 116
Uttamchandani, D., see Wallace, C.G. 133 (1997) 39

Van Exter, M.P., see Jansen van Doorn, A.K. 133 (1997) 252
Van Oerle, B.M., see Verschuur, J.W.J. 133 (1997) 229
Van Tartwijk, G.H.M. and G.P. Agrawal, Nonlinear dynamics in the generalized Lorenz-Haken model 133 (1997) 565
Verdon, C.P., see Boehly, T.R. 133 (1997) 495
Vermelho, M.V.D., see Amorim, H.T. 133 (1997) 104
Verschuur, J.W.J., G.J. Ernst, B.M. van Oerle and D. Bisero, The effect of transverse modes in a wave-guide resonator on the resonance condition of a Compton FEL 133 (1997) 229
Vilaseca, R., see Corbalán, R. 133 (1997) 225
Von Bally, G., S. Riehemann and F. Rickermann, High-resolution imaging with reflection-type holograms in SBN:Ce 133 (1997) 305
Voti, R.L., see Bertolotti, M. 133 (1997) 578

Wallace, C.G., I. Andonovic and D. Uttamchandani, New code for communications network fault finding using a spread spectrum approach 133 (1997) 39
Walther, H., see Höffges, J.T. 133 (1997) 170
Wang, Q., Y.N. Ning, K.T.V. Grattan and A.W. Palmer, Noise effects in position measurement using a white light interferometric system linked with different core diameter multimode fibres 133 (1997) 67
Wang, S.C., see Chen, Y.F. 133 (1997) 517
Wang, W., see Chiou, A.E. 133 (1997) 7
Warwick, P.J., see MacPhee, A.G. 133 (1997) 525
Weaver, I., see MacPhee, A.G. 133 (1997) 525
Welsh, B.M., see Roggemann, M.C. 133 (1997) 381
Will, I., see Kalashnikov, M.P. 133 (1997) 216
Woerdman, J.P., see Jansen van Doorn, A.K. 133 (1997) 252
Wolf, E., see Fischer, D.G. 133 (1997) 17
Wong, K.Y., see Wong, S.W. 133 (1997) 268
Wong, S.W. and K.Y. Wong, Studies of depolarized hyper-Rayleigh scattering of an organic molecule 133 (1997) 268

Xiao, X., see Fedotov, A.B. 133 (1997) 587
Xu, C., see Shinozaki, K. 133 (1997) 300
Xu, Z., see Du, S. 133 (1997) 147

Yaakobi, B., F.J. Marshall and J.A. Delettrez, Abel inversion of cryogenic laser target images 133 (1997) 43
Yoshimura, T. and N. Kohinata, Characteristics of iterative deconvolution algorithm with fast convergence speed of the iterations 133 (1997) 434
Yzuel, M.J., see Caulfield, H.J. 133 (1997) 77

Zalevsky, Z., see García, J. 133 (1997) 393
Zeitoun, Ph., see MacPhee, A.G. 133 (1997) 525

Zhang, J., see Liu, S. 133 (1997) 50
Zhang, Y., see Liu, S. 133 (1997) 50
Zheltikov, A.M., see Fedotov, A.B. 133 (1997) 587
Zheng, S. and G. Guo, A scheme for realizing strong squeezing of a field 133 (1997) 139
Zheng, S.-B., see Guo, G.-C. 133 (1997) 142
Zinth, W., see Hauger, C. 133 (1997) 72
Zondy, J.-J., see Touahri, D. 133 (1997) 471
Zvyagin, A. and M. Ohtsu, Near-field optical microscope for true surface topography: theoretical study 133 (1997) 328

ELSEVIER

1 January 1997

Optics Communications 133 (1996) 615–620

OPTICS COMMUNICATIONS

Subject index to volume 133

Propagation, diffraction and scattering

C.J.R. Sheppard and X. Gan, Free-space propagation of femto-second light pulses 1

A.E. Chiou, W. Wang, G.J. Sonek, J. Hong and M.W. Berns, Interferometric optical tweezers 7

Y.-C. Huang, C. Chou and M. Chang, Direct measurement of refractive indices (n_e, n_o) of a linear birefringent retardation plate 11

D.G. Fischer and E. Wolf, Theory of diffraction tomography for quasi-homogeneous random objects 17

R. Horák, Z. Bouchal and J. Bajer, Nondiffracting stationary electromagnetic field 315

A. Zvyagin and M. Ohtsu, Near-field optical microscope for true surface topography: theoretical study 328

Optical information, image formation and analysis, optical computing

N. George, Lensless electronic imaging 22

J.A. Pomarico, N.A. Russo, E.E. Sicre and D. Patrignani, Optical velocimetry based on the spatial correlation of off-axis image speckle patterns 27

H. El-Ghandoor, Tomographic investigation of the refractive index profiling using speckle photography technique 33

C.G. Wallace, I. Andonovic and D. Uttamchandani, New code for communications network fault finding using a spread spectrum approach 39

B. Yaakobi, F.J. Marshall and J.A. Delettrez, Abel inversion of cryogenic laser target images 43

S. Liu, J. Zhang and Y. Zhang, Properties of the fractionalization of a Fourier transform 50

A.M. Smolyaninov, An array generator based on the fractional Talbot effect for Gaussian beams 55

A. Ezbiri and R.P. Tatam, Five wavelength interrogation technique for miniature fibre optic Fabry–Pérot sensors 62

Q. Wang, Y.N. Ning, K.T.V. Grattan and A.W. Palmer, Noise effects in position measurement using a white light interferometric system linked with different core diameter multimode fibres 67

C. Hauger, E. Baigar and W. Zinth, Induced backscattering due to reflecting surfaces in highly scattering media 72

H.J. Caulfield, I. Moreno, J. Campos and M.J. Yzuel, Coherent recognition of colored patterns 77

T.E. Gureyev and K.A. Nugent, Rapid quantitative phase imaging using the transport of intensity Equation 339

Y.N. Ning, Y. Liu, K.T.V. Grattan, B.M.A. Rahman and A.W. Palmer, The limitations for suppressing modal noise induced in a graded-index multimode fibre in a white light interferometer 347

B. Fracasso, N. Nochez, M. Desmons and F. Ghorbel, An iterative approach to geometric transformations with diffractive optics 355

R.S. Caprari, Geometric and radiometric image warping due to optical system displacement 365

M.C. Roggemann, C.A. Hyde and B.M. Welsh, Comparison of Fourier phase spectrum estimation using deconvolution from wavefront sensing and bispectrum reconstruction 381

J. García, R.G. Dorsch, A.W. Lohmann, C. Ferreira and Z. Zalevsky, Flexible optical implementation of fractional Fourier transform processors. Applications to correlation and filtering 393

R.A. Maestre, J. García and C. Ferreira, Pattern recognition using sequential matched filtering of wavelet coefficients 401

V.V. Orlov and A.R. Bulygin, Volume holograms of co-orthogonal waves for optical channel switching and expansion of light waves in Walsh basis functions 415

T. Yoshimura and N. Kohinata, Characteristics of iterative deconvolution algorithm with fast convergence speed of the iterations 434

S. Ríos, E. Acosta and S. Bará, Hartmann sensing with Albrecht grids 443

Optical communications

A. Ankiewicz, W.L.R. Perera, P.L. Chu and D.A.C.C. Jayasinghe, Use of graded elliptical cladding for efficient pumping of doped fiber cores 82

Yu.T. Mazurenko, R. Giust and J.P. Goedgebuer, Spectral coding for secure optical communications using refractive index dispersion 87

R.J. Forster, A. Gloag and N. Langford, Impedance matching of all-fibre resonators 93

D. Pagnoux, J.M. Blondy, J. Rioublanc, P. Roy, M. Clapeau and P. Facq, Precise and repeatable determination of the mode field radius by means of a simple measurement device 99

H.T. Amorim, G.C. Cardoso, M.T. de Araujo, M.V.D. Vermelho, E.A. Gouveia and A.S. Gouveia-Neto, Harmonic generation and frequency upconversion in Pr^{3+}-doped germanosilicate optical fibers pumped at 1.319 μm 104

N.A. Korneev, J.J. Sanchez Mondragon and S.I. Stepanov, Running space charge wave instability in photorefractive crystals 109

T. Taunay, P. Bernage, G. Martinelli, M. Douay, P. Niay, J.F. Bayon and H. Poignant, Photosensitization of terbium doped alumino-silicate fibres through high pressure H_2 loading 454

F. Matera and M. Settembre, Study of performance of 1.3 μm transmission systems on standard step-index fibers with semiconductor optical amplifiers 463

Atomic, molecular and plasma physics

D. Touahri, O. Acef, A. Clairon, J.-J. Zondy, R. Felder, L. Hilico, B. de Beauvoir, F. Biraben and F. Nez, Frequency measurement of the $5S_{1/2}(F = 3)$–$5D_{5/2}(F = 5)$ two-photon transition in rubidium 471

Condensed matter

M. Takebayashi, G. Mizutani and S. Ushioda, Azimuthal angle dependence of optical second harmonic intensity from a vicinal GaAs(001) wafer 116

Y. Oki, K. Furukawa and M. Maeda, Extremely sensitive Na detection in pure water by laser ablation atomic fluorescence spectroscopy 123

D. Dragoman and M. Dragoman, The modeling of the quantum tunneling time through heterostructures using optical layered media 129

P. Baumeister, Modification of the Grèzes-Besset method of optical monitor calibration 135

A. Neogi, Transient interband light modulation via intersubband coupling light in undoped semiconductor quantum wells 479

Quantum optics

S. Zheng and G. Guo, A scheme for realizing strong squeezing of a field 139

G.-C. Guo and S.-B. Zheng, Preparation of entangled coherent states of the electromagnetic field based on detecting the state of the atom in the Jaynes-Cummings model 142

S. Du, S. Gong and Z. Xu, Generating fractional revivals from a simple optical system 147

J.R. Torgerson and L. Mandel, Sharpening the measured quantum phase distribution by discarding data 153

A. Luis and L.L. Sánchez-Soto, Quantum atom–field relative phase in the Jaynes–Cummings model 159

G.M. D'Ariano, S. Mancini and P. Tombesi, High efficiency optical tomography using a squeezed vacuum 165

J.T. Höffges, H.W. Baldauf, T. Eichler, S.R. Helmfrid and H. Walther, Heterodyne measurement of the fluorescent radiation of a single trapped ion 170

W.K. Lai, M. Babiker and L. Allen, Radiation forces on a two-level atom in a $\sigma_+-\sigma_-$ configuration of Laguerre–Gaussian beams 487

Lasers

G.S. He, Y. Cui, J.D. Bhawalkar, P.N. Prasad and D.D. Bhawalkar, Intracavity upconversion lasing within a *Q*-switched Nd:YAG laser 175

K.I. Martin, W.A. Clarkson and D.C. Hanna, Increased single-frequency power from end-pumped ring lasers by pump beam displacement 180

A. Suda, T. Takasaki, K. Sato, K. Nagasaka and H. Tashiro, High-power generation of 16-μm second-Stokes pulses in an ortho-deuterium Raman laser 185

V.N. Chizhevsky, E.V. Grigorieva and S.A. Kashchenko, Optimal timing for targeting periodic orbits in a loss-driven CO_2 laser 189

Y. Li, P. Lu, G. Pretzler and E.E. Fill, Lasing in neonlike sulphur and silicon 196

S. Uemura and K. Miyazaki, Operation of a femtosecond Cr:LiSAF solitary laser near zero group-delay dispersion 201

G.R. Boyer and G. Kononovitch, Gain optimization of a Kerr-lens mode-locked Cr:forsterite laser in the CW regime: theory and experiments 205

A. Agnesi, S. Dell'Acqua and G.C. Reali, 1.5 Watt passively *Q*-switched diode-pumped cw Nd:YAG laser 211

M.P. Kalashnikov, P.V. Nickles, M. Schnuerer, I. Will and W. Sandner, Multi-terawatt hybrid Ti:Sa–Nd:glass dual-beam laser: a novel XUV laser driver 216

C. Bollig, W.A. Clarkson, D.C. Hanna, D.S. Lovering and G.C.W. Jones, Single-frequency operation of a monolithic Nd:glass ring laser via the acousto-optic effect 221

R. Corbalán, A.N. Pisarchik, V.N. Chizhevsky and R. Vilaseca, Experimental study of bi-directional pumping of a far-infrared laser 225

J.W.J. Verschuur, G.J. Ernst, B.M. van Oerle and D. Bisero, The effect of transverse modes in a wave-guide resonator on the resonance condition of a Compton FEL 229

A. Konate, J.L. Doualan, S. Girard and J. Margerie, Tunable cw laser emission of the (a) variety of $(F_2^+)_H$ centres in NaCl:OH^- 234

S. Bourzeix, B. de Beauvoir, F. Nez, F. de Tomasi, L. Julien and F. Biraben, Ultra-violet light generation at 205 nm by two frequency doubling steps of a cw titanium-sapphire laser 239

A. Suda, T. Shinozaki, K. Nagasaka and H. Tashiro, Prompt and precise frequency tuning of a transversely excited CO_2 laser by means of intracavity active frequency shift 245

A.K. Jansen van Doorn, M.P. van Exter, M. Travagnin and J.P. Woerdman, Polarization behavior of surface-emitting semiconductor lasers in an axial magnetic field 252

G. Ruoso, R. Sotrz, S. Seel, S. Schiller and J. Mlynek, Nd:YAG laser frequency stabilization to a supercavity at the 0.1 Hz level 259

Z.G. Lü, G.C. Cho, G. Lüpke and H. Kurz, Visible fs-pulses generated by dispersive frequency doubling in Lithium Triborate 263

T.R. Boehly, D.L. Brown, R.S. Craxton, R.L. Keck, J.P. Knauer, J.H. Kelly, T.J. Kessler, S.A. Kumpan, S.J. Loucks, S.A. Letzring, F.J. Marshall, R.L. McCrory, S.F.B. Morse, W. Seka, J.M. Soures and C.P. Verdon, Initial performance results of the OMEGA laser system 495

C. Taggiasco, R. Meucci, M. Ciofini and N.B. Abraham, Polarization states and dynamics of the lowest order transverse modes in a Fabry–Pérot CO_2 laser 507

Y.F. Chen, C.F. Kao and S.C. Wang, Analytical model for the design of fiber-coupled laser-diode end-pumped lasers 517

A.G. MacPhee, C.L.S. Lewis, P.J. Warwick, I. Weaver, P. Jaeglé, A. Carillon, G. Jamelot, A. Klisnick, B. Rus, Ph. Zeitoun, M. Nantel, P. Goedkindt, S. Sebban, G.J. Tallents, A. Demir, M. Holden and J. Krishnan, The influence of prepulse level on the 3p–3s XUV laser output from Ne-like ions of Zn, Cu and Ni 525

Nonlinear optics

S.W. Wong and K.Y. Wong, Studies of depolarized hyper-Rayleigh scattering of an organic molecule 268

S.C. Mehendale, S.R. Mishra, K.S. Bindra, M. Laghate, T.S. Dhami and K.C. Rustagi, Nonlinear refraction in aqueous colloidal gold 273

R. Danielius, A. Dubietis and A. Piskarskas, Transformation of pulse characteristics via cascaded second-order effects in an optical parametric amplifier 277

R. Daisy and B. Fischer, Synchronization of chaotic nonlinear optical ring oscillators 282

H.-B. Lin and A.J. Campillo, Microcavity enhanced Raman gain 287

T. Honda, H. Matsumoto, M. Sedlatschek, C. Denz and T. Tschudi, Spontaneous formation of hexagons, squares and squeezed hexagons in a photorefractive phase conjugator with virtually internal feedback mirror 293

K. Shinozaki, C. Xu, H. Sasaki and T. Kamijoh, A comparison of optical second-harmonic generation efficiency using Bessel and Gaussian beams in bulk crystals 300

G. von Bally, S. Riehemann and F. Rickermann, High-resolution imaging with reflection-type holograms in SBN:Ce 305

S. Marchetti, M. Martinelli, R. Simili, F. D'Amato and M. Giorgi, High power pulsed millimeter laser Raman generation in CH_3F 310

M.R. Perrone and V. Piccinno, On the benefits of astigmatic focusing configurations in stimulated Raman scattering processes 534

A.K. Atieh, P. Myslinski, J. Chrostowski and P. Galko, Generation of multigigahertz bright and dark soliton pulse trains 541

T. Gase and W. Karthe, Quasi-phase matched cascaded second order processes in poled organic polymer waveguides 549

U. Peschel, T. Peschel and F. Lederer, Binary processing by spatially solitary wave steering in 2-D planar resonator structures 557

G.H.M. van Tartwijk and G.P. Agrawal, Nonlinear dynamics in the generalized Lorenz-Haken model 565

M. Bertolotti, R.L. Voti, S. Marchetti and C. Sibilia, Interaction of soliton-like beam in a diffusive nonlinear planar waveguide 578

A.B. Fedotov, N.I. Koroteev, M.M.T. Loy, X. Xiao and A.M. Zheltikov, Saturation of third-harmonic generation in a plasma of self-induced optical breakdown due to the self-action of 80-fs light pulses 587

D. Udaiyan, K.S. Syed, R.P.M. Green, D.H. Kim and M.J. Damzen, Transient modelling of double-pumped phase conjugation in inverted Nd:YAG 596